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云南楼梯草属二新种*

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TWO NEW SPECIES OF *ELATOSTEMA* (URTICACEAE) FROM YUNNAN, CHINA

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Key words Urticaceae; *Elatostema*; *E. sukungianum* W. T. Wang; *E. luchunense* W. T. Wang
关键词 荨麻科；楼梯草属；素功楼梯草；绿春楼梯草

1 素功楼梯草 新种 图 1:1～2

Elatostema sukungianum W. T. Wang, sp. nov. (Sect Weddelia (H. Schröter) W. T. Wang ser. Stipulosa W. T. Wang)

Species nova affinis *E. minutifurfuraceo* W. T. Wang, quod caule superne ferrugineo-furfuraceo ad nodos puberulo, foliis apice caudato-acuminatis trinervibus, cystolithis brevioribus 0.2～0.4 mm longis, stipulis linearibus 10～12 mm longis extus ad costam mediam puberulis, pedunculis inflorescentiarum staminatarum brevioribus 0.8～1.4 cm longis differt.

Herba perennis, dioecia. Rhizoma elongatum, subteres, ca. 4 mm crassum, glabrum. Caulis 23～32 cm altus, basi 2～3 mm crassus, simplex vel supra basin subdichotome longe 2-ramosus, glaber, superne 5- vel 10-foliatus, cystolithis densis 0.1～0.2 mm longis notatus. Folia sessilia vel brevissime petiolata, glabra; laminae herbaceae vel tenuiter papyraceae, oblanceolato-oblongae, anguste oblongae vel longe ellipticae, (5.6～)9.4～17 cm longae, 2～3.8 cm latae, apice longe acuminatae vel caudatae, acuminibus vel caudis anguste lanceolato-linearibus margine sparse denticulatis, raro obtusiusculae, basi latere angustiore cuneatae eo latiore late cuneatae, margine supra basin crenato-dentatae, dentibus apice mucronulatis, cystolithis densis conspicuis bacilliformibus (0.2) 0.3～0.6 mm longis, semitriplinerves, nervis lateralibus latere angustiore (2～)3～4 eo latiore (2～)4～5; petioli usque ad 3 mm longi; stipulae subulatae, 2～5 mm longae, ca. 0.2 mm latae, glabrae, costis mediis ob-

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scuris. Inflorescentia staminata in axilla folii superioris nascens; pedunculus gracilis, 4.5～4.8 cm longus, superne glaber, ceterum patule puberulus; receptaculum inconspicuum; bracteae ca. 9, glabrae, 2 exteriores majores, naviculari-oblongae, ca. 2 mm longae, 0.8 mm latae, apice crasse corniculatae, cornibus ca. 2.2 mm longis, 7 ceterae minores, lineares vel lanceolato-lineares, 2～2.2 mm longae, ca. 0.4 mm latae, apice leviter cucullatae; bracteolae lanceolato-oblongae, 0.5～1 mm longae, 0.3～0.7 mm latae, glabrae. Flores staminati, perjuvenes, minutissimi. Planta pistillata ignota.

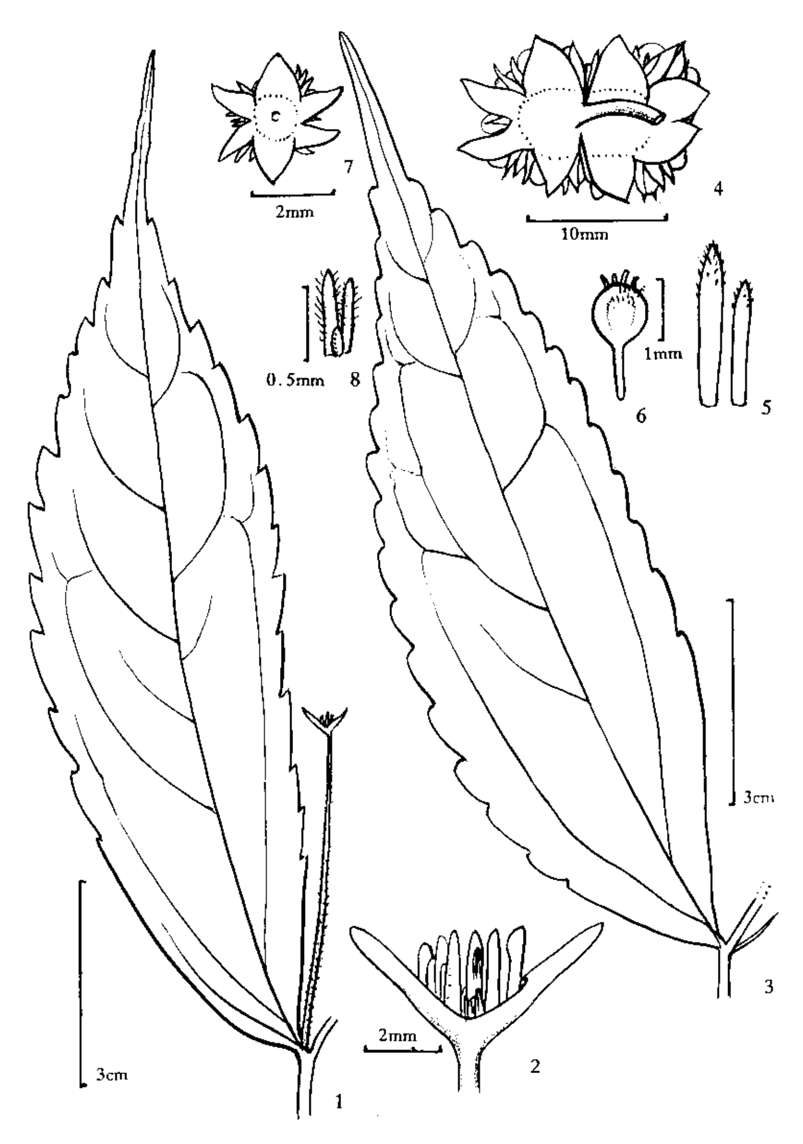


图1 1～2.素功楼梯草 1.叶和腋生雄花序；2.雄花序。3～8.绿春楼梯草 3.叶；4.雄花序(下面观)；5.雄花序小苞片；6.雄花蕾；7.雌花序(下面观)；8.雌花和小苞片。

Fig.1 1～2. *Elatostema sukungianum* W.T.Wang 1. leaf and axillary staminate inflorescence; 2. staminate inflorescence. 3～8. *E. luchunense* W.T.Wang 3. leaf; 4. staminate inflorescence (seen from lower surface); 5. bracteoles of staminate inflorescence; 6. staminate flower bud; 7. pistillate inflorescence (seen from lower surface); 8. pistillate flower and two bracteoles.

Yunnan(云南): Lüchun(绿春), Huanglian Mt.(黄连山), Hydrologic Station(水文站), alt. 1700～1900 m, in evergreen broad-leaved forests, 1995-10-17, S. K. Wu *et al*.(武素功等) 117 (holotype, KUN; isotype, PE).

本种隶属小叶楼梯草组托叶楼梯草系,与此系的微鳞楼梯草 *E. minutifurfuraceum* W.T.Wang 在亲缘关系上接近,但茎无毛,无鳞片,叶顶端长渐尖或尾状,具半离基三出脉,钟乳体长(0.2)0.3～0.6 mm,托叶钻形,长2～5 mm,无毛,中脉不明显,雄花序梗长4.5～4.8 cm;而微鳞楼梯草,茎上部被锈色小鳞片,节上被短柔毛,叶顶端尾状渐尖,具三出脉,钟乳体较短,长0.2～0.4 mm,托叶较大,线形,长10～12 mm,外面在中脉上被短柔毛,雄花序梗较短,长0.8～1.4 cm,可与本种区别。

2 绿春楼梯草 新种 图1:3～8

Elatostema luchunense W.T.Wang, sp. nov. (Sect. Elatostema ser. Cuspidata W.T. Wang)

Species nova affinis *E. leiocephalo* W.T.Wang, quod foliis margine ciliatis, nervis lateralibus latere angustiore 3～4 eo latiore ca. 5, inflorescentiis pistillatis singulariter axillaribus, receptaculis ellipticis ca. 4 mm longis ad medio 2-lobulatis puberulis, bracteis depresse deltoideis apice longe corniculatis, receptaculis inflorescentiarum staminatarum haud divisis distinguitur.

Herba perennis, monoecia. Caulis ca. 50 cm altus, inferne 5 mm crassus, ramosus, glaber, cystolithis densis 0.05～0.4 mm longis notatus. Folia brevissime petiolata vel sessilia; laminae herbaceae, plerumque elliptico-oblongae, raro oblique ellipticae, 5～14 cm longae, 2～4 cm latae, apice plerumque longe acuminatae, acuminibus margine integris, raro acuminatae, basi latere angustiore cuneatae eo latiore late cuneatae vel rotundatae, margine supra basin obtuse dentatae, supra sparsissime strigosae, subtus glabrae, cystolithis densis leviter conspicuis bacilliformibus 0.05～0.2 mm longis, semitriplinerves, nervis lateralibus latere angustiore 2～3 eo latiore 2～4; petioli usque ad 2 mm longi, glabri; stipulae anguste lanceolatae, 3.5～7 mm longae, ca. 1 mm latae, glabrae. Inflorescentiae staminatae in axillis foliorum rami unius singulariter vel binatim nascentes, breviter pedunculatae; pedunculi 1.5～5 mm longi, glabri; receptacula elliptica, 3～11 mm longa, 2～7 mm lata, medio 2-partita, glabra; bracteae ca. 8, membranaceae, deltoideae vel triangulares, 2～3 mm longae, ca. 2.8 mm latae, apice sparse puberulae; bracteolae naviculari-oblongae vel lineares, 2～3 mm longae, ca. 0.3 mm latae, apice sparse puberulae. Alabastra florum staminatorum numerosa, ca. 2 mm diam., pedicellata, tetramera, apice breviter 4-corniculata et sparse puberula. Inflorescentiae pistillatae in axillis foliorum rami ceteri binatim nascentes, sessiles, ca. 2 mm diam., receptacula orbiculares, ca. 1 mm diam., glabra; bracteae ca. 6, 2 exteriora majora, deltoideae, ca. 0.6 mm longae, 0.8 mm latae, 4 interiora minores, oblongo-ovata, ca. 0.8 mm longae, 0.5 mm latae, extus superne sparse puberulae; bracteolae numerosae, densae, lineares vel lineari-lanceolatae, 0.5～0.65 mm longae, 0.2 mm latae, densiuscule puberulae. Flores pistillati: ovarium ellipsoideum, ca. 0.25 mm longum; stigma

ca. 0.1 mm longum.

Yunnan(云南):Lüchun(绿春),Huanglian Mt.(黄连山),Qimaba(骑马坝),alt. 900~1200 m, in montane rain forests, 1995-11-01, S.K.Wu *et al*.(武素功等) 1084 (holotype, KUN)

本种隶属骤尖楼梯草组骤尖楼梯草系,与此系的光序楼梯草 *E. leiocephalum* W.T. Wang 在亲缘关系上相近,但叶边缘无睫毛,侧脉在狭侧 2~3 条,在宽侧 2~4 条,雌花序成对生于叶腋,其花序托圆形,直径约 1 mm,不分裂,无毛,苞片正三角形或长圆状卵形,无角状突起,雄花序托在中部 2 深裂而与光序楼梯草不同;在后者,叶边缘被睫毛,侧脉在狭侧 3~4 条,在宽侧 5 条,雌花序单生叶腋,其花序托椭圆形,长约 4 mm,在中部微 2 裂,被短柔毛,苞片扁正三角形,顶端有长角状突起,雄花序托不分裂。

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